

PRELIMINARY ASSESSMENT 2
RCRA DEFERRAL SITE REASSESSMENT

BARNES RESIDENCE SITE
RAYTOWN, MISSOURI
CERCLIS NO. MOD980966410

Site: Barnes Residence
ID # MOD980966410
Break: 1.0
Other: 2-1-2000

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SUPERFUND RECORDS

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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REGION 8
CONTRACT NO. 68-W5-0031
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Introduction

In March 1999, the Office of Inspector General (OIG) released an audit report entitled "Superfund Sites Deferred to RCRA." The purpose of the OIG audit was to assess the status of potential hazardous waste sites which the U.S. Environmental Protection Agency (EPA) Superfund Program had deferred to the Agency's Resource Conservation and Recovery Act (RCRA) Program for follow-up assessment and corrective action. The OIG audit concluded that a large portion of sites deferred to the RCRA program did not meet the appropriate deferral criteria. In addition, a number of deferred sites were not found in the RCRA Information System (RCRIS) database.

In response to the OIG audit findings, the EPA Region 7 Superfund Program is conducting a comprehensive review of all RCRA-deferred sites. Tetra Tech EM Inc. (Tetra Tech) has prepared this Preliminary Assessment 2 (PA2) in order to document current site status and to provide the information needed for Superfund staff to revise the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Information System (CERCLIS).

This PA2 includes a brief physical description of the site; its history and operations; the final CERCLA determination, where applicable; the most recent information regarding site status; and recommendations for follow-up action including, if necessary, additional Superfund assessment.

CERCLA History

1. Site Discovery - 05/83
2. Preliminary Assessment (PA) - 12/84
3. Site Investigation (SI) - 09/85; No Hazard Ranking System (HRS) scoring information available

Site Location and Description

The Barnes Residence site is located at 6925 Laurel, Raytown, Jackson County, Missouri. The legal description of the site was not available in the file.

The Barnes Residence site is a private residence. In May of 1983, the homeowner complained to local health authorities, and then to the Missouri Department of Natural Resources (MDNR) and EPA, about a foul odor around the sump pump in the basement following a heavy rain. The site is in a residential area.

Operational History and Waste Characteristics

The EPA Field Investigation Team (FIT) responded to repeated complaints from the homeowner between 1983 and 1988. Each time the complaint was the same; a foul odor around the sump pump following a heavy rain event. Early soil samples collected at the site showed traces of petroleum product chemicals.

EPA and MDNR determined that a Town and Country (T&C) market gas station was a likely candidate as the source of the contamination at the Barnes Residence site. However, T&C underground storage tanks (USTs) were tested in 1984 and no leaks were detected. EPA FIT conducted a soil gas survey in 1986. This indicated a contaminant plume emanating from the T&C site. T&C ceased operation in 1987 and removed their USTs. No signs of leakage could be observed at the time of removal. EPA continued to suspect T&C as the source of contamination, but there was no direct evidence to prove this. EPA responded to a complaint from another nearby residence in 1988. The complaint was the same; foul odors in the basement after a rain event.

CERCLA Determination

The Barnes Residence site is designated as deferred to RCRA. However, there was no indication in the facility file that this site was deferred to RCRA. A trip report by the EPA FIT, dated July 6, 1988, recommended that continued monitoring be conducted for odors following the UST removal, and that Ms. Barnes should call EPA if odors persist.

Current Site Status

As of December 16, 1998, the Barnes Residence site had been archived from the CERCLIS database as No Further Remedial Action Planned (NFRAP). The Barnes Residence site could not be found in RCRIS under the facility identification number, the site name, or the site location. However, the Town & Country Market site is listed in RCRIS under Facility ID# MOD000805671.

According to the MDNR Superfund program, MDNR is currently conducting a desktop file review of this site to determine if further assessment is needed at this time.

Recommendations

Based on this PA2 site review, EPA has determined that no further EPA remedial (pre-remedial site assessment) action is appropriate for the site.